

ABSTRACT OF THE DISCLOSURE

A piston assembly is provided for use in an engine. The piston assembly includes a piston body including a crown with a skirt extending from the crown. The skirt has an exterior surface. The exterior surface has a surface finish in a wave form with peaks and valleys, and having a roughness total between approximately 6 and 8 micrometers. The roughness total is defined as the difference between the highest peak and lowest valley within an assessment length. The surface finish has an approximate peak-to-peak distance between 0.18 and 0.23 mm within the assessment length. A composite coating is provided over the exterior surface.